m/41/009



United States Department of the Interior

Bureau of Land Management

Richfield Field Office 150 East 900 North Richfield, Utah 84701 http://www.ut.blm.gov



IN REPLY REFER TO:

RECEIVED

OCT 0 9 2001

DIVISION OF OIL, GAS AND MINING 3809 (U-050) UTU-71500

October 3, 2001

Mr. Richard Hope, Manufacturing Manager Georgia-Pacific Corporation 200 South State Street Sigurd, Utah 84657

RE: Meeting With Respect to Reclamation and Bonding Requirements

Dear Mr. Hope:

As you are aware, Georgia-Pacific Corporation (Georgia-Pacific); the Division of Oil, Gas, and Mining (DOGM); and the Bureau of Land Management (BLM) met on September 6, 2001, to discuss reclamation of federal lands that have been disturbed under Georgia-Pacific's Plan of Operations. Mr. Russell Harm, Georgia-Pacific, and Jerry Dastrup, a local contractor, were very helpful in discussing the specifics of reclamation during that on-site meeting. At this time, Georgia-Pacific has stated their intent to reclaim mining-related disturbances, subject the federal surface management regulations under 43 CFR 3809, as well as the state regulations. The case file for the BLM record is UTU-71500, and Georgia-Pacific is the operator under the approved Plan of Operations, as well as the mining claimant.

During the field review, unrelcaimed, mining-related disturbances on federal land were inspected at the Western (South) quarry and the Kings Meadow quarries, as well as the reject, wallboard dump. The surface disturbance at the two quarry areas included highwalls, mining benches, dumps, and access roads. Based on the field review, Georgia-Pacific, DOGM, and BLM reached a consensus and a verbal agreement as to the reclamation work that would be completed by Georgia-Pacific or a contractor as hired by the operator at these areas.

The main haul road from the South and Kings Meadow quarries to Georgia-Pacific's mill was inspected and discussed. The southern portion from the new county landfill road to the old county road is a new access road that is less than ½ mile in length and was constructed by Georgia-Pacific. As the operator, your company is responsible for reclaiming that portion of the road. The northern portion from the old county road to the mill is approximately 4 miles in length and in part crosses private land. Georgia-Pacific has maintained the northern portion for hauling, and reclamation requirements were not determined during the field inspection. An agreement was made to check the case file and other records to ascertain the status of this road under the Plan of Operations.

Georgia-Pacific agreed to provide a cost estimate and a schedule for the reclamation work. During the meeting, the details that would be needed in the cost estimate were discussed with Georgia-Pacific. In order to simplify and be consistent with DOGM's method of estimating bonds, the spreadsheet for a Reclamation Surety Estimate is enclosed with this letter. You do not have to use this form and some of the data included in the form may not apply to Georgia-Pacific's operations and reclamation proposal, however, our recommendation is to follow the format to the extent possible. If you would like an electronic copy, please contact Michael Jackson at (435) 896-1522 or Doug Jensen at (801) 538-5382.

As has been discussed previously, new federal regulations (43 CFR 3809) became effective on January 20, 2001. Under 3809.505, you must post a financial guarantee in accordance with these new regulations. Under 3809.554, the reclamation cost must be estimated as if BLM were to hire a third-party contractor to perform the reclamation work, if the operator vacated the project area. BLM must be assured that cost includes mobilization, use, and demobilization of off-site equipment; contractor profits; federally-mandated labor rates (Davis-Bacon wages) for workers; and the contractor's insurance and bond. The regulations require that the estimate include BLM's cost to administer the reclamation contract.

We recognize that developing this reclamation estimate and schedule will involve time of your staff as well as a contractor. However, if some of the re-contouring work is completed, then the bond estimate may be lowered, depending on the amount of work completed.

As a final note, the Gabus claim group (unpatented, mining claims on federal land) and the Crescent claim group (patented) were not inspected on September 6th. During the field review, the consensus was that reclamation at the Western quarry and the Kings Meadow quarries would probably entail more work than would be completed this fall. To our knowledge, no disturbances have been created at the Gabus group, and BLM will confirm that through an inspection, prior to final release of Georgia-Pacific from reclamation liabilities. Reclamation of the Crescent group is regulated by DOGM only.

If you would like a copy of the current federal regulations, those are available through the BLM home page or contact Michael Jackson (435) 896-1522. If you have any questions, please also contact him.

Again, thank you for your time and your cooperation in the management of public lands.

Sincerely.

Man Apartialys

For Dave Henderson
Associate Field Manager

Reclamation Surety Estimate Form (3 p.) Enclosure:

Russell Harms, Environmental Engineer, Georgia-Pacific Corporation, P. O. Box 337350, North cc: Las Vegas, NV 89033-0040

Lynn Kunzler, Division of Oil, Gas and Mining, State of Utah, Box 145801, Salt Lake City, Utah 84114-5801

- 1	RECLAMATION SURETY ESTIMATE		(o:/data/bondin	g/mine-bnd.wb2)		
	Operator Name		st revision	08/02/00		
11	Mine Name	filename M	2	page 'estimate D10'		
1	DOGM file number	County				
1	Prepared by Utah State Division of Oil, Gas & Mini				Target 1	
	This estimate uses a D10 size dozer for most earthwor		1 33	durant same		8.00
	Print block named "d10est" for the estimate page & "d1		he notes pa	ige	115	
T					S 12	
1						
1						25
1					1	
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1					100	
1					1 18	
1						
1	Note: actual unit costs may vary according to site cond	ditions	last unit c	ost update 2-A	ug-2000	
	Amount of disturbed area which will receive reclamation			0.0 acres		
	Estimated total disturbed area for this mine =	on a caunona		0.0 acres	10000	
H	Activity	Quantity	Units	\$/unit	-	Note
1.				-	\$	
1	Safety gates, signs, etc. (mtls & installation)) sum	200	0	(1)
١,	Demolition of buildings & facilities		CF	0.04	0	(0)
			trips	0.24	0	(2)
	Debris & equipment removal - trucking		CY	50		(3)
	Debris & equipment removal - dump fees			55	0	(4)
	Debris & equipment removal - loading trucks w/FE loader		hours	166	0	(5)
	Demolition & debris removal - general labor		hours	15	0	(6)
ľ	Regrading facilities areas	0.0) acre	334	0	(7)
١.	Regrading waste dump slopes	CHE ALL	CY	0.24	0	(8)
	Ripping waste dump tops		acre	0.34 317	0	(9)
ľ	Ripping waste dump tops	0.0	acre	317	U	(9)
1	Ripping stockpile & compacted areas	0.0	acre	317	0	(9)
ľ	hipping stockpile a compacted areas	0.0	acie	317	·	(9)
1	Ripping pit floors	0.0	acre	317	0	(9)
	Ripping pit access roads		acre	317	. 0	(9)
	Creating safety berms or barriers around highwalls		LF	0.11	0	(10
1						,
	Ripping access roads - dozer		acre	317	0	(9)
	Regrading access roads - dozer		acre	434	0	(7)
15	Sidecast mtl replacement on steep roads- trackhoe	() LF	1.09	0	(11
1	Surface drainage restoration or construction	() LF	0.11	0	(10
1	[10년] [20년 17일 [10년] [20년 17일					
	Topsoil replacement - dozer		CY	0.34	0	(12
	Topsoil replacement - scraper		CY	1.15	0	(13
1	Γopsoil replacement - truck & FE loader	(CY	2.60	0	(14
1.						
	Mulching (2 ton/acre alfalfa)	-	acre	160	0	(00)
	Fertilizing (100 lb/acre diammonium phosphate)) acre	90	0	(00
	Composted manure (10 ton/acre)) acre	300	0	(00)
	Broadcast seeding (~20 lb/acre)) acre	170	0	(00
1	Orill seeding (~13 lb/acre)	0.0	acre	150	0	(00)
I	Hydroseeding	0.0	acre	800	0	(00
ı					1990	
1	General site cleanup & trash removal	0.0	acre	50	0	(00
ı					100	
1	Equipment mobilization	(equip (1000	0	(00)
ı					116. 3	
1	Reclamation Supervision	(days	386	0	(15
1			Subtotal	Participation of the latest and the	0	168
1	10% Contingency			ALL TELLS	0	183
1.			Subtotal		\$0	8
11	Escalate for 5 years at 3.13% per yr		Total		\$0	1
1						

DOGM lump sum assumed Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fe Means 2000, 02225-730-5100, bldg demo, rubbish handling, \$0.50/CY pemile for >8CY truck; assumed Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bldg construction mtls Rental Rate Blue Book 3C/00, Cat 9888, 7CY \$85.64hr+\$39.60hr, & Means 2000, Crew B-10U, loading DOGM assumed wage for unskilled general labor
Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 100 ft push Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3C/00: Cat D10N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3C/00: Cat D10N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3C/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assurr Means 2000 & Blue Book 3C/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
Means 2000 & Rental Rate Blue Book 3C/00: Cat D10N, U, mtl 2550 lb/CY, 75 ft push, 1 ft depth
Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road
Means 2000 & Blue Book 3C/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CV/LF-berm assurr Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 100 ft push Means 2000 & Blue Book SQ/00: Cat 627F P-P. mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%, Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 C DOGM general estimate - mulching DOGM general estimate - fertilizing DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading DOGM general estimate - broadcast seeding DOGM general estimate - drill seeding DOGM general estimate - hydroseeding DOGM general estimate - equipment mobilization Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk

RECLAMATION SURETY ESTIMATE

Operator Name

Institution

Average cost per disturbed acre =

(15) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk

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(1) DOGM lump sum assumed
         Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees
        Means 2000, 02225-730-5100, bldg demo, rubbish handling, $0.50/CY permile for >BCY truck, assumed 100 miles round trip Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bldg construction mtls Rental Rate Blue Book 30/00, Cat 988B, 7CY $85.64hr+$39.60/hr, & Means 2000, Crew B-10U, loading trucks only$40.87
        DOGM assumed wage for unskilled general labor
Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
 (6)
(7)
        Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
 (8)
(9)
 (9)
         Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
(9) Means 2000 & Blue Book 3C/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
(9) Means 2000 & Blue Book 3C/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
(10) Means 2000 & Blue Book 3C/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed
 (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
(7) Means 2000 & Rental Rate Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 75 ft push, 1 ft depth
(11) Contractor's actual costs, 1991 at E/053/012 escalated to 2000-$, Cat 225 Excavator, 20 ft wide road
 (10) Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed
 (12) Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 100 ft push
 (13) Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mlt 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%, (14) Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading included
         DOGM general estimate - mulching
 (00) DOGM general estimate - fertilizing
(00) DOGM general estimate - remaining (00) DOGM general estimate - manure $16/ton delivered, $14 ton/acre spreading (00) DOGM general estimate - broadcast seedling (00) DOGM general estimate - drill seeding (00) DOGM general estimate - hydroseeding
         DOGM general estimate - site cleanup & trash removal
 (00) DOGM general estimate - equipment mobilization
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*ECLAMATION SURETY ESTIMATE Mine Operator mirie name County DOGM file number Prepared by Utah State Division of Oil, Gas & Mining This estimate uses a D8 size dozer for most earthwork

Print block named "d8est" for the estimate page & "d8notes" for the notes page 13 Note: actual unit costs may vary according to site conditions last unit cost update 2-Aug-2000 Amount of disturbed area which will receive reclamation treatments Estimated total disturbed area for this mine = 0.0 acres **Activity** Quantity Units \$/unit Safety gates, signs, etc. (mtls & installation) 200 (1) DOGM lump sum assumed Demolition of buildings & facilities 0 CF Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees 0.24 23 Means 2000, 02225-730-5100, bidg demo, rubbish handling, \$0.50/CY permile for >8CY truck, assumed 100 m Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bidg construction mtls Rental Rate Blue Book 3Q/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading trucks Debris & equipment removal - trucking 0 trips 50 0 ton Debris & equipment removal - dump fees 55 Debris & equipment removal - loading trucks w/FE loader Demolition & debris removal - general labor 0 hours 166 DOGM assumed wage for unskilled general labor deans 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth 0 hours (6) Regrading facilities areas (1 ft depth) 0.0 acre 502 Regrading waste dump slopes Ripping waste dump tops Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph 0 CY 0.50 (8) (9) 0.0 acre Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph Ripping stockpile & compacted areas 0.0 acre 234 (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm Ripping pit floors 0.0 acre Ripping pit access roads 0.0 acre Creating safety berms or barriers around highwalls (10) 0.16 Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth 0.0 acre Ripping access roads - doze (9) (7) Regrading access roads - dozer 502 Sidecast mtl replacement on steep roads- trackhoe Surface drainage restoration or construction 0 LF 1.09 Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4% Tonsoil replacement - dozer 0 CY 0.50 Topsoil replacement - scraper 1.15 (14) Means 2000 02320-200-2030; earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 m. Topsoil replacement - truck & FE loader 0 CY 2.60 Mulching (2 ton/acre alfalfa) 0.0 acre 160 (00) DOGM general estimate - mulching Fertilizing (100 lb/acre diammonium phosphate)
Composted manure (10 ton/acre) 0.0 acre DOGM general estimate - fertilizing
DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading (00) (00) 300 Broadcast seeding (~20 lb/acre) 0.0 acre 170 (00) DOGM general estimate - broadcast seeding DOGM general estimate - drill seeding Orill seeding (~13 lb/acre) 0.0 acre DOGM general estimate - hydroseeding 0.0 acre 800 (00) (00) DOGM general estimate - site cleanup & trash removal 50 General site cleanup & trash removal 0.0 acre DOGM general estimate - equipment mobilization Equipment mobilization 0 equip 1000 Reclamation Supervision Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk 0 days Subtotal 10% Contingency Subtotal Escalate for 5 years at 3.13% per yr Rounded surety amount in yr 2006-\$ verage cost per disturbed acre :

NOTE - ADJUSTMENTS TO UNIT COSTS IN ITALICS ON THIS PAGE WILL RIPPLE THROUGH TO THE OTHER 2 PAGES RECLAMATION SURETY ESTIMATE Mine Operator DOGM file number County Prepared by Utah State Division of Oil, Gas & Mining
last unit cost update 08/02/00 Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bidg. types, avg., excluding dump fees Means 2000, 02225-730-5100, bidg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 miles round trip Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bidg construction mits Rental Rate Blue Book 30/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading trucks only\$40.87 DOGM assumed wage for unskilled general labor
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth (6) (7) Means 2000 & Blue Book 3C/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push Means 2000 & Blue Book 3C/00: Cat D8N, U, multi shank rippers, speed 1.0 mph (8) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm (10) Means 2000 & Blue Book 3Q/00: Cat DBN, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat DBN, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth Contractor's actual costs, 1991 at E/653/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road Means 2000 & Blue Book 3Q/00: Cat DBN, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm (11) (12) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%, (13)Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading included DOGM general estimate - mulching OGM general estimate - fertilizing DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading DOGM general estimate - broadcast seeding DOGM general estimate - drill seeding DOGM general estimate - hydroseed 100 DOGM general estimate - site cleanup & trash removal DOGM general estimate - equipment mobilization (00)

(15) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk

Operator Name		revision	08/02/00		
Miňe Name	filename	NB2	page "estimate D9"		
DOGM file number	County				
Prepared by Utah State Division of Oil, Ga					
-This estimate uses a D9 size dozer for most			0.5	. 11.77	
Print block named "d9est" for the estimate p	age & "d9notes" for	the notes	page		
Note: actual unit costs may vary according to	o site conditions	last unit	cost update	2-Aug-20	000
-Amount of disturbed area which will receive		nts =	0.0 ac		
-Estimated total disturbed area for this mine				0.0 acres	
Activity	Quantity	Units	\$/unit	\$	
Safety gates, signs, etc. (mtls & installation)		sum	200	Ψ.	0
curry guices, eigres, etc. (illus a illetallauoti)		Julii	200		U
Demolition of buildings & facilities		CF	0.24		0
Debris & equipment removal - trucking		trips	50		0
Debris & equipment removal - dump fees		ton	55		0
Debris & equipment removal - loading trucks w/F		hours	166		0
Demolition & debris removal - general labor		hours	15		0
Regrading facilities areas		acre	364		0
riograding radinates areas	0.0	acie	304		U
Regrading waste dump slopes	0	CY	0.36		0
Ripping waste dump tops		acre	271		0
Ripping stockpile & compacted areas	0.0	acre	271		0
			THE REAL PROPERTY.		3
Ripping pit floors		acre	271		0
Ripping pit access roads		acre	271		0
Creating safety berms or barriers around highwa	ills 0	LF	0.12		0
Dissission and dance			074		_
Ripping access roads - dozer		acre	271		0
Regrading access roads - dozer Sidecast mtl replacement on steep roads- trackh			364		0
Surface drainage restoration or construction		LF	1.09		0
Surface drainage restoration or construction		LF	0.12		0
Topsoil replacement - dozer		CY	0.36		0
Topsoil replacement - scraper		CY	1.15		0
Topsoil replacement - truck & FE loader		CY	2.60		0
Topsoi replacement - truck & r L loader		CI	2.60		U
Mulching (2 ton/acre alfalfa)	0.0	acre	160		0
Fertilizing (100 lb/acre diammonium phosphate)		acre	90		0
Composted manure		acre	300		0
Broadcast seeding (~20 lb/acre)		acre	170		0
Drill seeding (~13 lb/acre)		acre	150		0
Hydroseeding (~13 lovacie)		acre	800		
Hydroseeding	0.0	acre	800		0
General site cleanup & trash removal	0.0	acre	50		0
General site cleanup & trasif removal	0.0	acre	50		U
Equipment mobilization		oquin	1000		0
Equipment modification		equip	1000		0
Reclamation Supervision		days	386		0
riodaniaudi Supervision		Subtotal	300		0
10% Contingency		Subtotal			0
Containgoney		Subtotal			\$0
		Justolal			0
Escalate for 5 years at 3.13% per yr					

Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees Means 2000, 02225-730-6100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 10.

Means 2000, 02225-740-6100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 10.

Means 2000, 02225-740-6100, dump charges, typical urban city, tipping fees only, bldg construction mtls

Rental Rate Blue Book 3Q/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading tru DOGM assumed wage for unskilled general labor Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 100 ft push

Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph

Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed

Means 2000 & Blue Book 3C/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3C/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$. Cat 225 Excavator, 20 ft wide road Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed

Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,

Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY,

DOGM general estimate - mulching DOGM general estimate - fertilizing

DOGM lump sum assumed

DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading

DOGM general estimate - broadcast seeding DOGM general estimate - drill seeding DOGM general estimate - hydroseeding

DOGM general estimate - site cleanup & trash removal

DOGM general estimate - equipment mobilization

Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk

RECLAMATION SUBSTY ESTIMATE Operator Name 08/02/00 Mine Name DOGM file number County Prepared by Utah State Division of Oil, Gas & Mining

ERR

(1) DOGM lump sum assumed (1) DOGM lump sum assumed

Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bidg. types, avg., excluding dump fees
Means 2000, 02225-730-5100, bidg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 miles round trip
Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bidg construction mtls
Rental Rate Blue Book 30/00, Cat 988B, 7CY \$35.64hr+\$33.60hr, & Means 2000, Crew B-10U, loading trucks only\$40.87

(6) (7)

Average cost per disturbed acre =

DOGM assumed wage for unskilled general labor Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth

(8) (9)

Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 100 ft push Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph

(9) Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph

Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed (9) (9) (10)

Means 2000 & Blue Book 3Q/00: Cat D9N, U, multi shank rippers, speed 1.0 mph Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth

Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road Means 2000 & Blue Book 3Q/00: Cat D9N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0.5CY/LF-berm assumed

(12) Means 2000 & Blue Book 3Q/00; Cat D9N, U, mtl 2550 lb/CY, 100 ft push

(12) Means 2000 & Blue Book 3/0/00. Cat USIN, U, this 2500 lib/CT, 2,000 ft hauf one-way, grade +/- 4%,
(14) Means 2000 & Blue Book 3/0/00 Cat 627F P-P, mtl 2550 lb/CT, 2,000 ft hauf one-way, grade +/- 4%,
(14) Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading included

DOGM general estimate - mulching (00) DOGM general estimate - fertilizing

DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading

DOGM general estimate - broadcast seeding (00)

DOGM general estimate - drill seeding

(00) DOGM general estimate - hydroseeding

(00) DOGM general estimate - site cleanup & trash removal

DOGM general estimate - equipment mobilization

(15) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk